

2. QUICK START

The AVM 30 is a very sophisticated component, providing a multitude of features and connection options, while providing easy intuitive setup and operation. With your AVM 30 in front of you, browse through the illustrations in this section to see several quick system hookup options. It's as simple as following the lines in the connection diagrams to and from each component.

All of these quick system hookup examples work with the Factory Default settings; none require the Setup Menu. Just 'plug & play'! However, references to the Setup Menu section are included to make you aware of the tremendous versatility of the AVM 30.

For the best sound possible you will still have to calibrate your system in the Setup as outlined in section 7. Please do not overlook this important system calibration procedure.

2.1 QUICK START GUIDE – Before you start, make sure all components are unplugged.

To connect a CD player, DVD player, TV, VCR, amplifier(s), and powered subwoofer to the AVM 30:

Note: For this Quick start setup section, you will only need to connect either the Composite or S-Video connections referred to in the following diagrams. Use the S-Video connections wherever possible for the better video quality.

- **CD Player to AVM 30** – see diagram in section 2.2.1
Connect the L/R audio output of the CD player to Analog Audio-In/CD on the AVM 30.
- **DVD Player to AVM 30** – see diagram in section 2.2.2
Video: Connect the player's composite video out to Composite Video-In/DVD on the AVM 30.
Audio: Connect the player's digital audio output to Digital Audio-In/DVD on the AVM 30.
Make sure your DVD player's setup menu is configured to output Dolby Digital and DTS material as "Bitstream", not "PCM", otherwise 5.1-channel soundtracks will be turned into 2.0 channels!
- **AVM 30 to TV** – see diagrams in sections 2.2.2 and 2.2.3
Video: Connect Composite Video-Out/MAIN on the AVM 30 to the TV's composite video input.
Audio: Connect the L/R audio output of the TV to Analog Audio-In/TV on the AVM 30.
- **VCR to AVM 30** – see diagram in section 2.2.3
Video: Connect the VCR's composite video output to Composite Video-In/VCR on the AVM 30.
To Record: Connect Composite Video-Out/VCR to the VCR's composite video input.
Audio: Connect the L/R audio output of the VCR to Analog Audio-In/VCR on the AVM 30.
To Record: Connect Analog Audio-Out/VCR to the L/R audio input of the VCR.
- **AVM 30 to Amplifier(s)** – see diagrams in sections 2.2.4 and 2.2.5
From the AVM 30, connect Front-L, Front-R, Ctr1, Sur-L, Sur-R, Rear-L, and Rear-R Analog Audio-Out to the Front-L, Front-R, Center, Sur-L, Sur-R, Rear-L, and Rear-R inputs of the power amplifier(s). Follow the amplifier's operating manual for connecting the speakers.
- **AVM 30 to Powered Subwoofer** – see diagrams in sections 2.2.4 and 2.2.5
Connect Analog Audio-Out/Sub1 to the subwoofer's line/low level input.

Reconnect the power to all components and turn them on. To turn on the AVM 30, move the switch on the rear panel to the 'on' position and then press the **POWER – MAIN** button on the front panel.

2. QUICK START continued ...

To Watch a DVD:

- Press **DVD** Source on the front panel of the AVM 30.
- Select the TV input that corresponds to the one that the AVM 30's Composite Video-Out/MAIN is plugged into.
- Place a DVD into the DVD player and press play. You should see the picture on your TV and hear sound from your speakers. Adjust volume using the Master Control Knob on the AVM 30.

To Watch a Video Tape:

- Press **VCR** Source on the front panel of the AVM 30.
- With your TV's remote control, select the input that the AVM 30's Composite Video-Out/MAIN is plugged into.
- Insert a tape into the VCR and press play. You should see the picture on your TV and hear sound from your speakers. Use the AVM 30 Master Control Knob on the front panel to adjust volume.

To Listen to a CD:

- Press **CD** Source on the front panel of the AVM 30.
- Place a CD into the CD player and press play. You should hear music coming from your speakers. Use the AVM 30 Master Control Knob on the front panel to adjust volume.

Note about Digital and Analog Inputs:





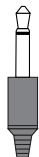



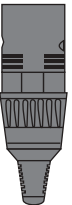
- You can change any input to Digital or Analog. Digital inputs use the AVM 30's high-end digital to analog converters and can be changed from RCA to Toslink or XLR connection. Analog inputs can be set to Digital Signal Processing for bass management, bass/treble control, time alignment, and surround modes, or Direct to bypass all digital stages. Auto-Dig uses the digital connection if a digital signal is sensed, and automatically switches to analog connection if there is no digital signal. For more information see sections 4.2.1 and 7.4.5.

Note about Your Speakers:

- The AVM 30 allows you to enter information about how many speakers you have in your system, as well as their relative size, type, and distance from your listening position. This speaker setup information is important in directing audio signals optimally, ensuring you get the best quality sound from your system – see sections 7.4.2, 7.4.3, and 7.4.4.

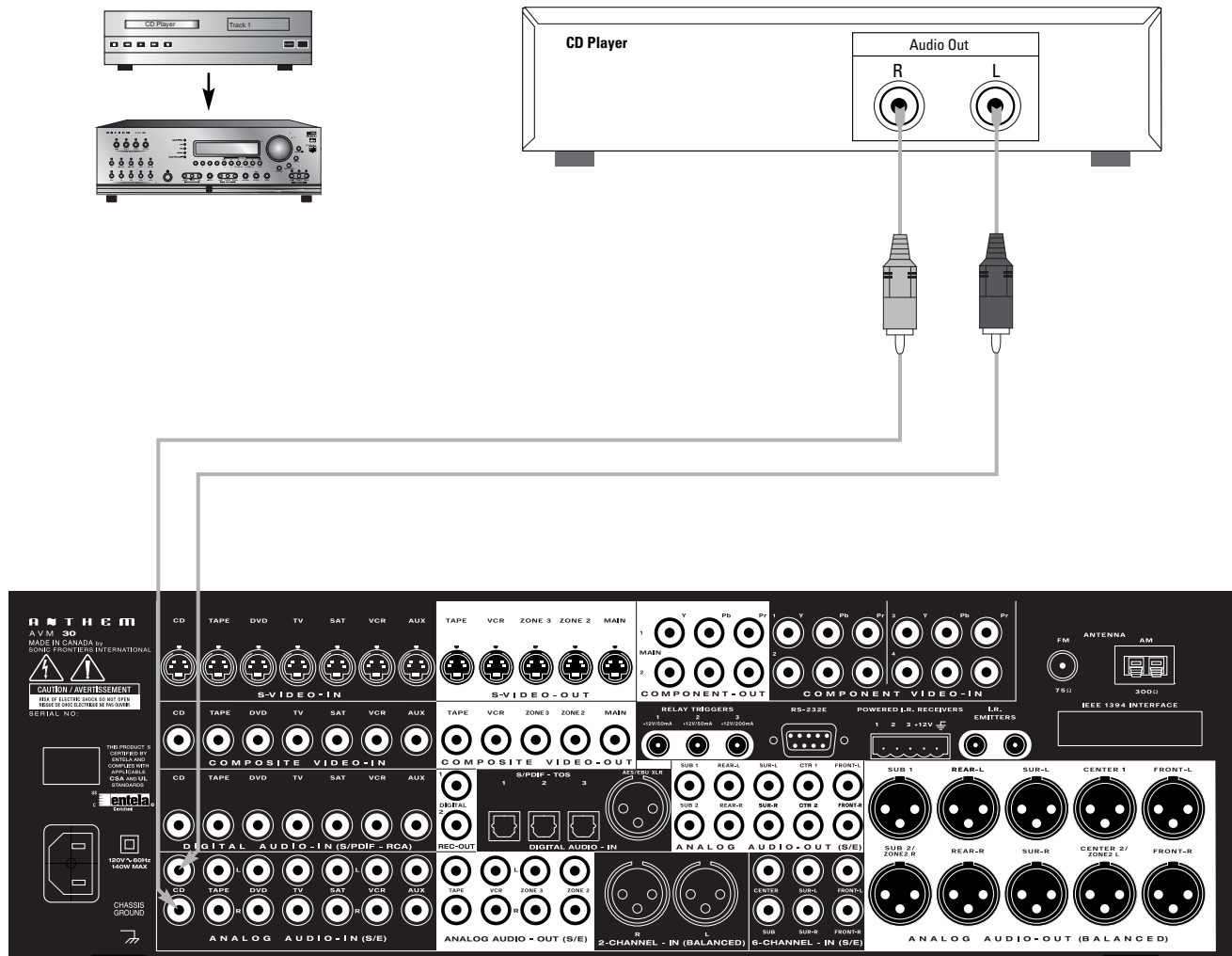
2.2 CONNECTOR DIAGRAMS AND DESCRIPTIONS

The following pages of illustrations contain a variety of standard cable/connectors that are used to connect components to your AVM 30. The various types, and what they are used for, are shown here:

RCA Black or White	RCA Red	RCA Yellow	1/4" Stereo	3.5mm Mini (Mono)	5-Pin Mini DIN	Toslink	XLR Female (connects to output)	XLR Male (connects to input)
								
Analog Left Channel	Analog Right Channel	Digital S/PDIF or Composite Video	Headphone	Relay Trigger IR Emitter	S-Video	Digital Audio S/PDIF	Analog Balanced or Digital AES/EBU	Analog Balanced or Digital AES/EBU
RCA Green: Component Y	RCA Blue: Component Pb	RCA Red: Component Pr						

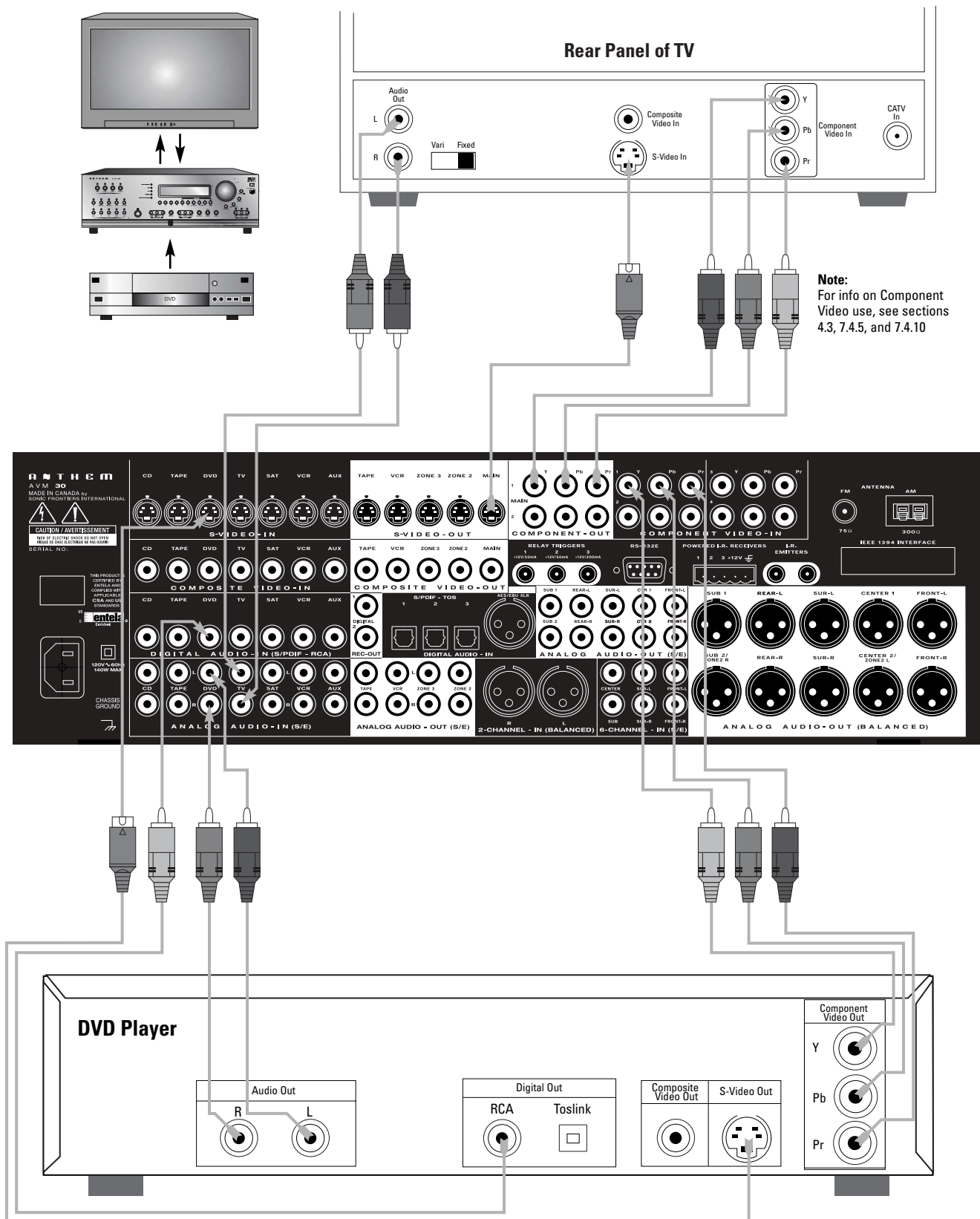
2. QUICK START continued ...

2.2.1 CD Player to AVM 30



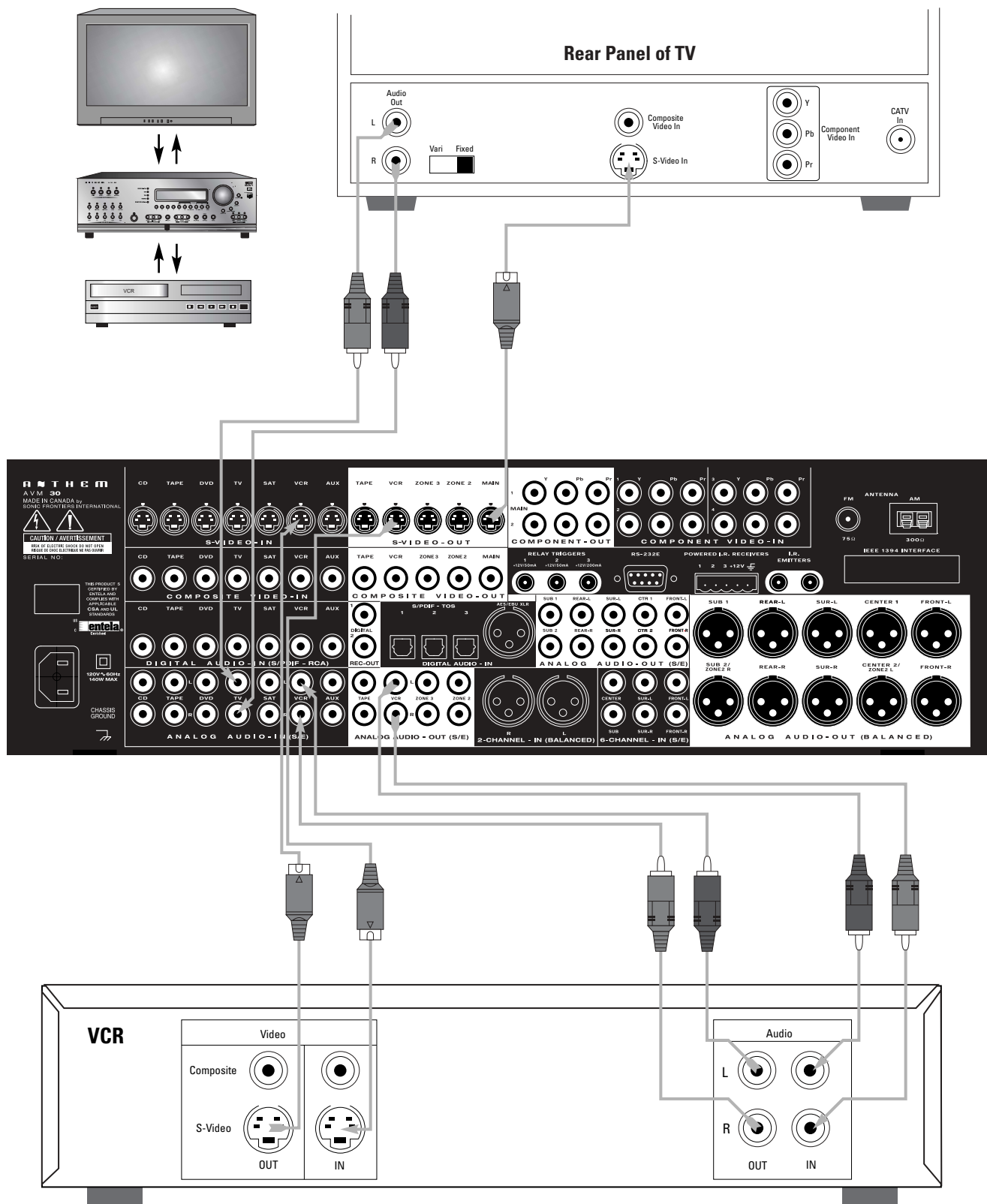
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2.2.2 DVD Player and TV to AVM 30



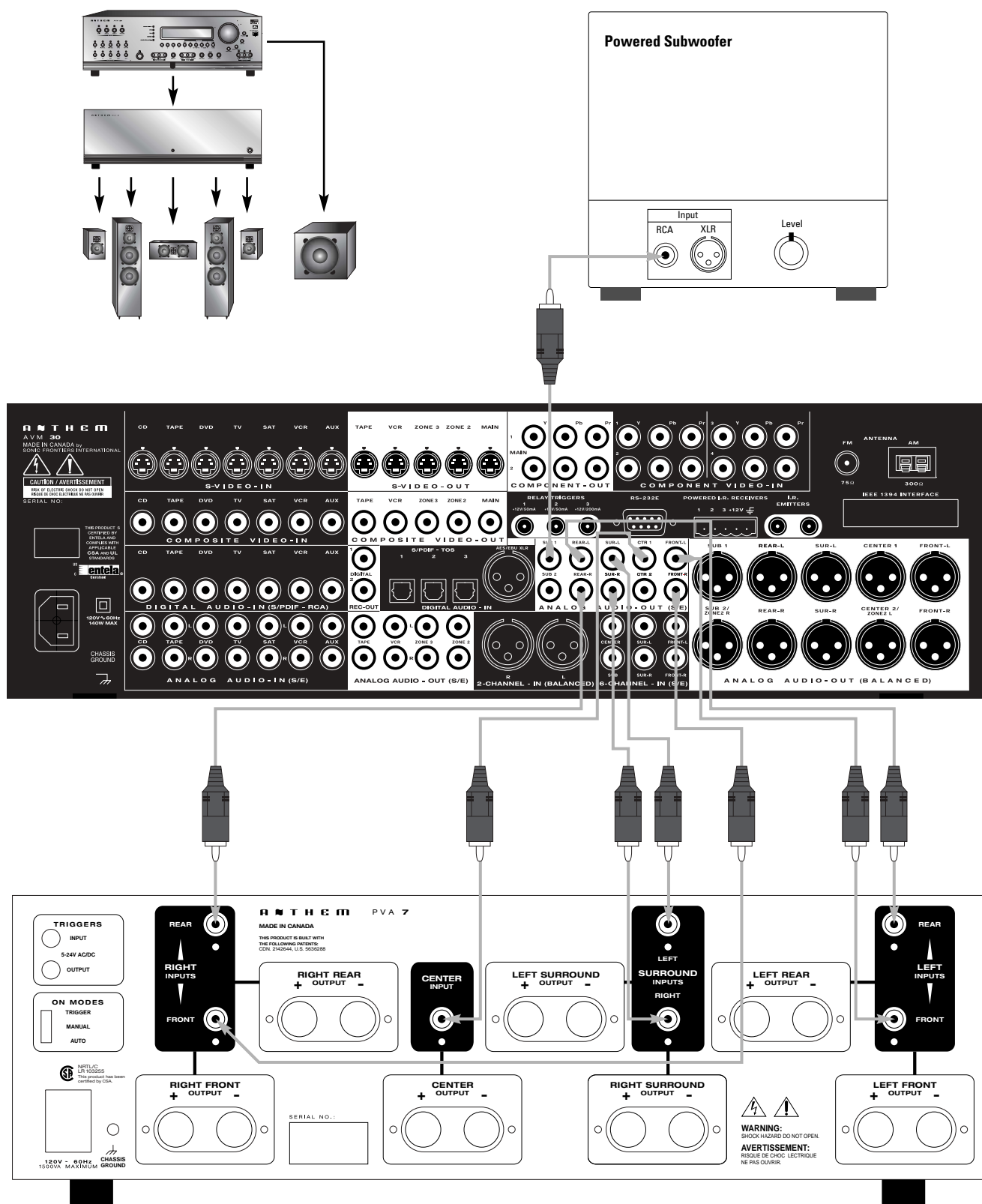
2. QUICK START continued ...

2.2.3 VCR and TV to AVM 30



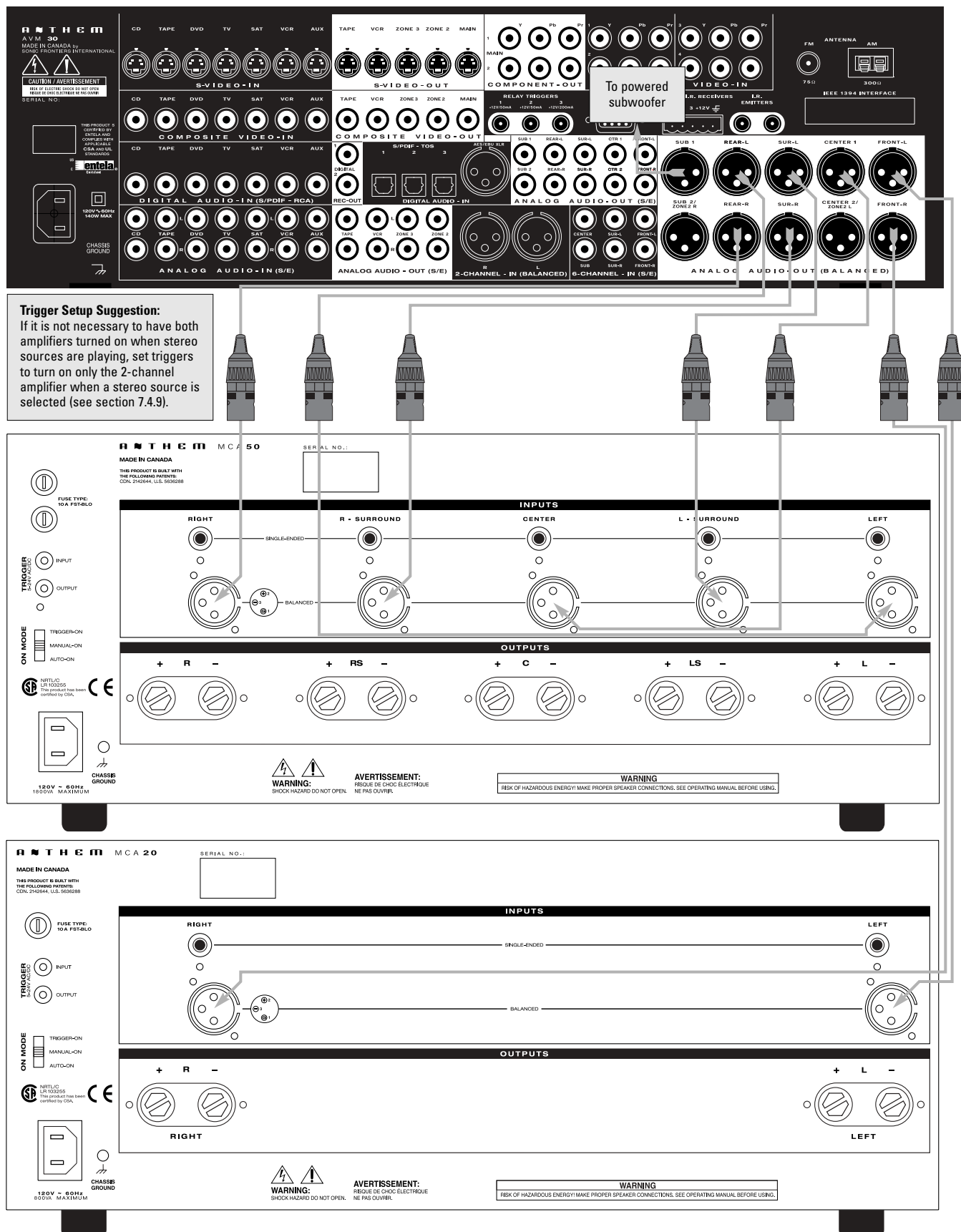
2. QUICK START continued ...

2.2.4 AVM 30 to Amplifier and Powered Subwoofer (RCA)



2. QUICK START continued ...

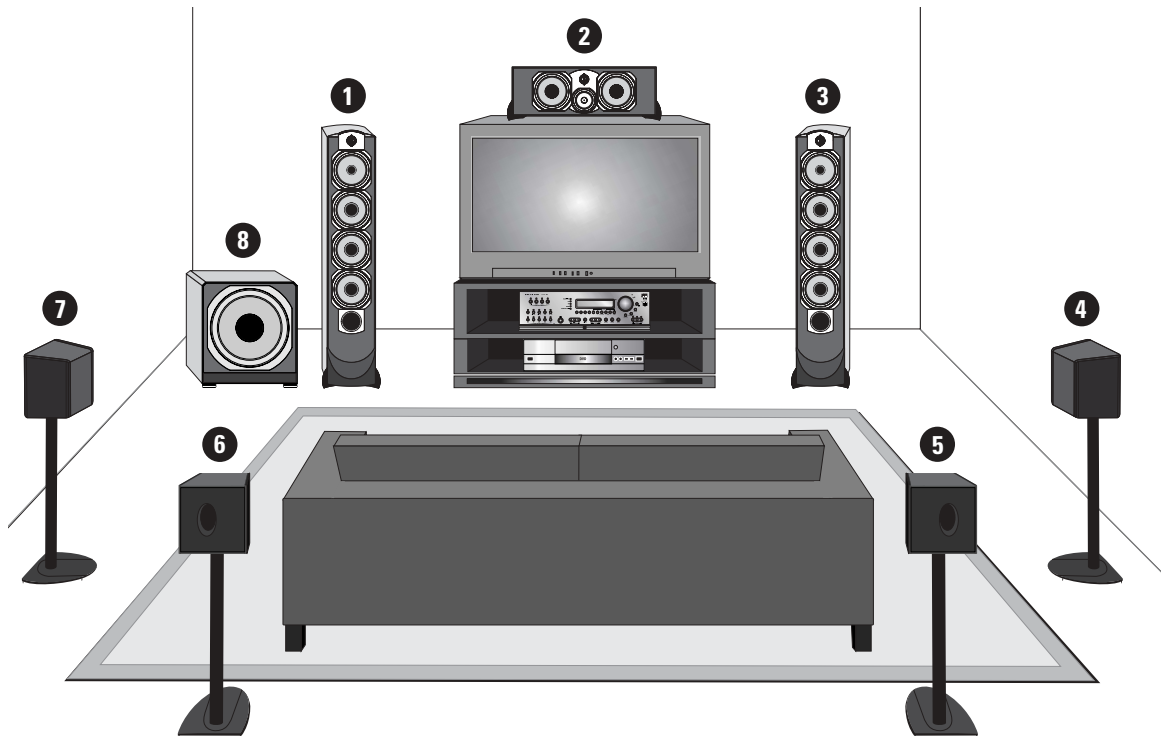
2.2.5 AVM 30 to Amplifiers and Powered Subwoofer (XLR)



2. QUICK START continued ...

2.3 SPEAKER PLACEMENT

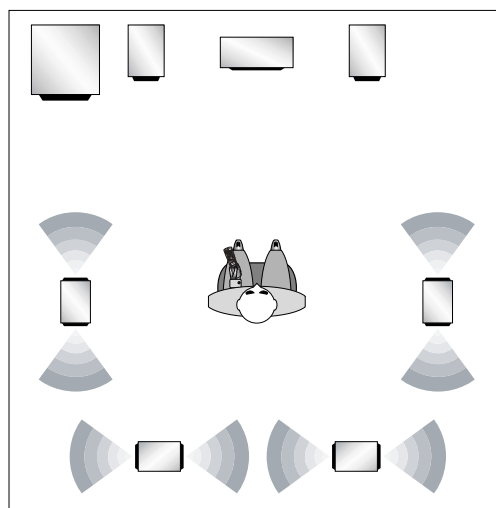
These illustrations show the typical speaker placement for a 7.1-channel surround system, the '.1' channel being the LFE (Low Frequency Effect). The Front and Center speakers are directed towards the listener from the front, while the Surround speakers are positioned to the sides, and the Rear speakers are positioned behind the listener. Ideally, the Surround and Rear speakers should be positioned 2-3 feet above ear level.



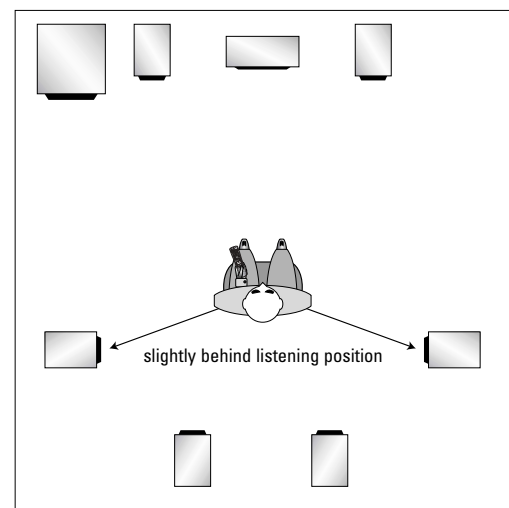
- | | | | |
|---------------|--------------------|----------------|-------------------|
| 1. Front-Left | 3. Front-Right | 5. Rear-Right* | 7. Surround-Left* |
| 2. Center | 4. Surround-Right* | 6. Rear-Left* | 8. Subwoofer |

*Dipole shown with 'null' facing listening area. Direct radiating – see diagram below.

For accurate soundstage reproduction, speaker size and distance to the listener should be entered in the Setup Menu (see sections 7.4.2, 7.4.3, and 7.4.4).



Surround Speaker Placement – Dipole



Surround Speaker Placement – Direct Radiating